

PATENT COOPERATION TREATY

PCT/US2005/005140

From the INTERNATIONAL BUREAU

PCTNOTIFICATION CONCERNING
TRANSMITTAL OF COPY OF INTERNATIONAL
PRELIMINARY REPORT ON PATENTABILITY
(CHAPTER I OF THE PATENT COOPERATION
TREATY)

(PCT Rule 44bis.1(c))

To:

HENNEMAN, Larry, E., Jr.
Henneman & Saunders
714 W. Michigan Ave.
Three Rivers, MI 49093
ETATS-UNIS D'AMERIQUEDate of mailing (*day/month/year*)
05 March 2009 (05.03.2009)Applicant's or agent's file reference
0057-011PCT

IMPORTANT NOTICE

International application No.
PCT/US2005/005140International filing date (*day/month/year*)
18 February 2005 (18.02.2005)Priority date (*day/month/year*)
16 March 2004 (16.03.2004)

Applicant

TECHNOLOGY PROPERTIES, LTD. et al

The International Bureau transmits herewith a copy of the international preliminary report on patentability (Chapter I of the Patent Cooperation Treaty)

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Athina Nickitas-Etienne

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 0057-011PCT	FOR FURTHER ACTION	See item 4 below
International application No. PCT/US2005/005140	International filing date (<i>day/month/year</i>) 18 February 2005 (18.02.2005)	Priority date (<i>day/month/year</i>) 16 March 2004 (16.03.2004)
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant TECHNOLOGY PROPERTIES, LTD.		

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 <i>bis</i> .1(a).																								
2.	This REPORT consists of a total of 7 sheets, including this cover sheet. In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.																								
3.	<p>This report contains indications relating to the following items:</p> <table style="width: 100%;"> <tr> <td style="width: 10%; text-align: center;"><input checked="" type="checkbox"/></td> <td style="width: 30%;">Box No. I</td> <td style="width: 60%;">Basis of the report</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table>	<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application
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4.	The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).																								

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. +41 22 338 82 70	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Date of issuance of this report 24 February 2009 (24.02.2009)</td> </tr> <tr> <td style="padding: 5px;">Authorized officer <div style="text-align: center; font-weight: bold;">Athina Nickitas-Etienne</div></td> </tr> <tr> <td style="padding: 5px;">e-mail: pt04.pct@wipo.int</td> </tr> </table>	Date of issuance of this report 24 February 2009 (24.02.2009)	Authorized officer <div style="text-align: center; font-weight: bold;">Athina Nickitas-Etienne</div>	e-mail: pt04.pct@wipo.int
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e-mail: pt04.pct@wipo.int				

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:
LARRY E. HENNEMAN, JR.
HENNEMAN & SAUNDERS
714 W. MICHIGAN AVE.
THREE RIVERS, MI 49093

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Applicant's or agent's file reference 0057-011PCT		Date of mailing (day/month/year) 17 JUN 2008 FOR FURTHER ACTION See paragraph 2 below
International application No. PCT/US05/05140	International filing date (day/month/year) 18 February 2005 (18.02.2005)	Priority date (day/month/year) 16 March 2004 (16.03.2004)
International Patent Classification (IPC) or both national classification and IPC IPC: G06F 15/00(2006.01),15/76(2006.01),15/80(2006.01) USPC: 712/10,11,16,17,20,21		
Applicant TECHNOLOGY PROPERTIES, LTD.		

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application


2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/ US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Date of completion of this opinion 05 June 2008 (05.06.2008)	Authorized officer AIMEE J. LI  Telephone No. (571) 272-2100
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WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US05/05140

Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of:

- ☒ the international application in the language in which it was filed
- ☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of:

a. type of material

- ☐ a sequence listing
- ☐ table(s) related to the sequence listing

b. format of material

- ☐ on paper
- ☐ in electronic form

c. time of filing/furnishing

- ☐ contained in the international application as filed.
- ☐ filed together with the international application in electronic form.
- ☐ furnished subsequently to this Authority for the purposes of search.

4. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

5. Additional comments:

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
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Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims <u>NONE</u>	<u>YES</u>
	Claims <u>1-26</u>	<u>NO</u>
Inventive step (IS)	Claims <u>NONE</u>	<u>YES</u>
	Claims <u>1-26</u>	<u>NO</u>
Industrial applicability (IA)	Claims <u>1-26</u>	<u>YES</u>
	Claims <u>NONE</u>	<u>NO</u>

2. Citations and explanations:

Please See Continuation Sheet

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/US05/05140

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

V. 2. Citations and Explanations:

Claims 1-26 lack novelty under PCT Article 33(2) as being anticipated by Nakagoshi et al., U.S. Patent Number 5,377,33 (herein referred to as Nakagoshi).

Referring to claim 1, Nakagoshi has taught a computer array, comprising:
a plurality of computers (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20);
and a plurality of data paths connecting the computers (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20);
wherein at least some of the computers are assigned a task different from that assigned to the other computers (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 2, Nakagoshi has taught the computer array of claim 1, wherein each of the computers is assigned a task different from that of the other computers (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 3, Nakagoshi has taught the computer array of claim 1, wherein at least some of the computers are configured for specific input functions (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 4, Nakagoshi has taught the computer array of claim 1, wherein at least some of the computers are configured for specific output functions (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 5, Nakagoshi has taught the computer array of claim 1, wherein communication between the computers is asynchronous (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 6, Nakagoshi has taught the computer array of claim 1, wherein communication between the computers is via a plurality of parallel data lines (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
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Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Referring to claim 7, Nakagoshi has taught the computer array of claim 1, wherein each of the computers is hard wired to communicate with at least three of the plurality of computers (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 8, Nakagoshi has taught the computer array of claim 1, wherein the quantity of computers is 25 (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 9, Nakagoshi has taught the computer array of claim 1, wherein the computers are physically arrayed in a 5 by 5 array (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 10, Nakagoshi has taught the computer array of claim 1, wherein at least some of the computers are physically arrayed in a 4 by 6 array (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 11, Nakagoshi has taught the computer array of claim 1, wherein the quantity of computers along each side of the array is an even number (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 12, Nakagoshi has taught the computer array of claim 1, wherein at least one of the computers is in direct communication with an external memory source (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 13, Nakagoshi has taught the computer array of claim 1, wherein at least one of the computers communicates data from an external memory source to at least some of the plurality of computers (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 14, Nakagoshi has taught a method for performing a computerized job, comprising:
providing a plurality of computers (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20); and
assigning a different task to at least some of the computers (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 15, Nakagoshi has taught the method of claim 14, wherein at least one of the computers is assigned to communicate with a flash memory (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 16, Nakagoshi has taught the method of claim 14, wherein at least one of the computers is assigned to communicate with a random access memory (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 17, Nakagoshi has taught the method of claim 14, wherein at least one of the computers is assigned to accomplish an input/output function (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 18, Nakagoshi has taught the method of claim 14, wherein one of the computers routes assignments to the remainder of the computers (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 19, Nakagoshi has taught a computer array, comprising:
a plurality of computers (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20); and
a plurality of data connections between the computers (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20);
wherein at least some of the computers are programmed to perform different functions (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 20, Nakagoshi has taught the computer array of claim 19, wherein the different functions work together to accomplish a task (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 21, Nakagoshi has taught the computer array of claim 19, wherein each of the functions is programmed into the respective computers when the computer array is initialized (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

**WRITTEN OPINION OF THE
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Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Referring to claim 22, Nakagoshi has taught the computer array of claim 19, wherein communication between the computers is asynchronous (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 23, Nakagoshi has taught a method for accomplishing a task using a plurality of computers, comprising: dividing a task into operational components and assigning each of the operational components to one of the computers (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20); programming at least some of the computers to accomplish each of the operational components (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 24, Nakagoshi has taught the method for accomplishing a task of claim 23, wherein the operational components are operations used in accomplishing a global positioning system receiver (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 25, Nakagoshi has taught the method for accomplishing a task of claim 23, wherein before the task is begun, programming the computers to accomplish each of the operational components (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Referring to claim 26, Nakagoshi has taught the method for accomplishing a task of claim 23, wherein the computers are arranged in a computer array (Nakagoshi column 4, line 34 to column 6, line 45; column 10, line 37 to column 11, line 24; and column 20, lines 7-20).

Claims 1-26 lack an inventive step under PCT Article 33(3) as being obvious over Nakagoshi et al., U.S. Patent Number 5,377,33. See the above.

Claims 1-26 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.